

A B S T R A C T

5 A polymer film is used as an optical compensatory  
sheet or a support thereof. The polymer film contains a  
rod-like compound. The rod-like compound in the form of a  
solution gives an ultraviolet absorption spectrum. In the  
spectrum, the wavelength of  $\lambda_{\text{max}}$  at the maximum absorption  
10 peak is shorter than 250 nm. The spectrum of the rod-like  
compound is measured when the rod-like compound is in the  
form of solution. The polymer film has an Rth retardation  
value of Rth450 measured at the wavelength of 450 nm in the  
range of 30 to 160 nm. The polymer film also has an Rth  
retardation value of Rth590 measured at the wavelength of  
15 590 nm in the range of 50 to 200 nm. The values of the  
Rth450 and Rth590 satisfy the condition of  $\text{Rth590} - \text{Rth450} \geq 2$  nm.